

DETAILED ACTION

1. Acknowledgement is made of the amendment received on 8/27/08.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Bella Fishman on 11/6/08.

The application has been amended as follows:

1. In the claims:
 - (1) In claim 7, line 3, delete -- said -- between "funneling each" and "signal to the PCV antenna bundle";
 - (2) In claim 13, line 5, insert -- phase conjugate vectoring (PCV) -- between "collecting signals from a respective" and "antenna bundle";
 - (3) In claim 14, line 5, insert -- an -- between "a transmission input data," and "IFFT unit";
 - (4) In claim 15, line 9, insert -- Near End Crosstalk (NEXT) -- between "connected to a" and "cancelling unit";
 - (5) In claim 15, lines 9-10, insert -- Fast Fourier Transform (FFT) -- between "canceling unit via a," and "unit for canceling Near End crosstalk";

(6) In claim 16, line 11, insert - - the - - between "connected to" and "second buffer/encoder";

Allowable Subject Matter

3. Claims 1-18 are allowed.
4. The following is an examiner's statement of reasons for allowance: The Prior arts of record Primas et al (US 5031234) discloses fiber optic frequency transfer link, Shah et al (US 20060109779) discloses method and system for split-pair reception in twisted-pair communications and Cioffi (US 20050152385 A1) discloses high speed multiple loop DSL system. All of these references do not teach propagating a reference signal from a receiver site via one twisted pair of said plurality for obtaining a wavefront of PCV reference signal at a transmitter site; establishing PCV antenna bundle for each twisted pair of said plurality; scaling input transmission signals by said PCV reference signal for obtaining mutually coherent PCV transmission signals; and propagating said mutually coherent PCV transmission signals via said PCV antenna bundles for receiving only one signal in a corresponding twisted pair at the receiver site.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELENE TAYONG whose telephone number is (571)270-1675. The examiner can normally be reached on Monday-Friday 8:00 am to 5:30 pm EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Liu Shuwang can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Helene Tayong/
Examiner, Art Unit 2611

November 6, 2008
/Shuwang Liu/
Supervisory Patent Examiner, Art Unit 2611